

ABSTRACT

Pertamina EP Java region is one of the oil and gas companies operating in the area of Java. As a company that has a working area on the island of Java is required to conduct the study is to learn about the system of oil (petroleum system), Followed by drilling geophysical seismic operations to the data to Determine the underground geology.

There are several ways to Obtain underground geological drilling data is current and one of them is to use the method of geophysical well logging, where logging activities Carried out simultaneously at the time of drilling activity takes place. From the results of an analysis of logging interpretation so as to know the type of fluid and can also be known zones petrofisisk prospects from the methods used both qualitative (reading logs) and quantitatively the formation gutters Roots.

The analysis conducted is focused on 15 wells that were drilled in the field "DHN". The analysis Carried out Showed that the Talang akar formation zone indicates that the prospects of hydrocarbons contained in the sandstone layer at the well JRF-04, JRF-06, JRF-07, JRF-08, JRF-12, JRF-13, JRF-14, JRF-15. Hydrocarbon prospects of the sandstone layer has a minimum thickness of sandstone layer thickness of 1.2 m and a maximum of 12.8m. At wells JRF-01, JRF-03, JRF-05, JRF-09 is not found prospect of zone, while in the well the JRF-02, JRF-10, JRF-11 wire log the data is not up to the Talang Akar formation. Analysis prospect zoning using the analysis of net pay zone Volume Shale Obtained minimum value was 20%, minimum effective porosity of 11%, minimum 63.3% Sw, while Volume Shale maximum is 35%, the effective porosity of 25%, 83.3% Sw.